

**WHAT IS CLAIMED IS:**

1. An apparatus capable of being placed in a large variety of fishing lures. The apparatus is capable of emitting a plurality of sounds to attract fish, the apparatus comprised of:
  - (a) a watertight somewhat tubular shaped generic shell which is referred to in the industry as a top water plug;
  - (b) a air space within said shell capable of containing the apparatus and enough air to float the apparatus and said shell;
  - (c) a tuning fork having a stem on the first end and tines on the second end, the first end being solidly mounted to the interior wall of the shell, the tines hanging free in the air space;
  - (d) a striker guide having two ends. The first end of the striker guide is attached to the interior wall of the shell at the bottom of the shell forward, and below the second end. The second end of the striker guide is attached to the interior wall of the shell at the top of the shell rearward and above the first end thus the striker guide forms an angle in relationship the shell;
  - (e) a striker is slide mounted on the striker guide, resting at the forward bottom end of the striker guide. Said striker being capable of sliding up the striker guide and striking the tuning fork at some point once the striker is activated by the fishing lure being jerked forward;
1. The apparatus of claim 1 is further comprised of a tuning fork stem support to help support the tuning fork and to aid in transmitting the sound produced by the tuning fork to the shell for dispersal into the water.
2. The apparatus of claim 1 wherein the means of supporting the striker is a striker guide tube having two ends. The first end being attached to the bottom of the shell forward of the second end, and a second end that is rearward and above the first end at an angle stopping just short of the tuning fork but close enough to the tuning fork to allow the striker to strike the tuning fork without being ejected from the striker guide once the striker is accelerated up the striker tube by jerking the fishing lure forward.

3. The apparatus of claim 1, wherein the striker is a pendulum hanging from an axle which is mounted in the upper portion of the interior wall of the shell. The pendulum having a first end which is pivotally mounted on an axle, and a second weighted end which swing free in a vertical arc intersecting the tuning fork, said end is used to strike the tuning fork causing the tuning fork to vibrate.
4. The apparatus of claim 3, wherein the pendulum is mounted in such a way that its movement is a horizontal arc intersecting the tuning fork.
5. The apparatus of claim 4 wherein a spring capable of being overcome by the movement of the fishing lure holds the pendulum in a ready position allowing the pendulum to be mounted at any angle in the fishing lure.
6. An apparatus capable of being placed in a large verity of fishing lures, the apparatus is capable of emitting a plurality of sounds to attract fish, the apparatus comprised of:
  - (a) a short bodied waterproof generic fish shaped shell referred to in the industry as a crank bait, said shell being the type of fishing lure that oscillates from side-to-side while in use;
  - (b) a cavity within said shell capable of containing the apparatus;
  - (c) a tuning fork having a stem on the first end and tines on the second end, the first end being solidly mounted to the interior wall of the shell and the tines hanging free in the air space;
  - (d) a pendulum axle, having a first end and a second end, the first end being mounted in the interior wall at the top of the fishing lure, the second end of the pendulum axle being mounted in the interior wall at the bottom of the fishing lure;
  - (e) a pendulum rotatably mounted on said pendulum axle, that allows the pendulum to swing toward the right and left side of the interior walls of the fishing lure, striking the tuning fork in one direction as well as the interior wall of the shell when swinging in the opposite direction.
7. The apparatus of claim 6 wherein the striker is slide mounted on a striker guide; the striker guide being mounted in such a position as to allow the striker to

strike the tuning fork while the fishing lure is in use; the striker guide having two ends, a first end and a second end. The first end being mounted to the right side of the interior wall of the shell, and the second end being mounted to the left side of the interior wall of the shell.

8. The apparatus of claim 6 wherein the striker is housed in a striker guide tube. The striker guide tube being mounted in such a position as to allow the striker housed within it to strike the tuning fork while the fishing lure is in use. The striker guide tube having two ends, a first end mounted to the interior wall of the shell and a second end stopping just short of touching the tuning fork allowing the striker strike the tuning fork as the fishing lure oscillates from side-to-side.
9. The apparatus of claim 6 wherein a through hole is incorporated in the side of the fishing lure opposite the tuning fork where the pendulum strikes the shell.
10. The apparatus of claim 9 wherein a small waterproof drum is mounted in the hole allowing the striker to strike the tuning fork while swinging in one direction and the drum while swinging in the opposite direction.
11. An apparatus capable of being placed in a large variety of fishing lures and the apparatus is capable of emitting a plurality of sounds to attract fish. The apparatus comprised of:
  - (a) a long slender bodied waterproof generic fish shaped shell referred to in the industry as a jerk bait or minnow. The said shell being the type of fishing lure that oscillates from side-to-side while in use;
  - (b) a cavity within said shell capable of containing the apparatus;
  - (c) two strikers, a first striker being mounted in the interior wall of the right side of the fishing lure, and a second striker being mounted in the interior wall of the left side of the fishing lure.
  - (d) a tuning fork having a stem on the first end and tines on the second end. The tuning fork having a hinge attached to the first end and the first end being hinge mounted to the interior wall of the shell with the tine end being capable of rotating from side-to-side to hit the aforementioned strikers, said hinge can be of any design capable of supporting the tuning fork.

12. The apparatus of claim 11 wherein a hole is incorporated in both the right and left sides of the shell.
13. The apparatus of claim 12 wherein the strikers are mounted in the holes in the right and left sides of the shell with a watertight seal, allowing the strikers to emit sound directly into the water.
14. The apparatus of claim 11 wherein while the fishing lure is in use, the tuning fork swings from the first side to the second side of the fishing lure striking the striker in the second side, in the process gaining and storing energy in the form of vibrating whereupon the tuning fork rebounds as the fishing lure changes direction causing the tuning fork to swing back to the first side of the fishing lure. Upon making contact with the striker in the first side, the tuning fork transfers a burst of the stored energy to the respective striker in the form of vibrations. The striker, in turn, transfers the vibrations to the shell, which in turn emits them into the water. As the tuning fork again rebounds from the first side energy is again stored in the tuning fork in the form of vibrating, the tuning fork swings once again to the second side to repeat the process over and over as long as the fishing lure is in use.
15. The apparatus of claim 1, wherein the striker is a weight suspended from the top inside wall of the shell by a flexible material such as a string, spring, solid piece of plastic or any type of flexible material.
16. The apparatus of claim 1, wherein the striker is a weight supported by a spring or thin piece of flexible material mounted to the interior wall of the shell at any angle. The flexible material being capable of supporting the weight of the striker, said material being flexible enough to be overcome by the movement of the fishing lure allow the weight to strike the tuning fork.
17. The apparatus of claim 1, wherein the diameter, length, weight and the distribution of the weight of the tuning fork tines is adjusted to allow the tuning fork to produce any hertz required by the manufacture.

18. An apparatus capable of being placed in a large variety of fishing lures, the apparatus being capable of emitting a plurality of sounds to attract fish. The apparatus comprising:
- (a) a watertight somewhat tubular shaped generic shell, referred to in the industry as a top water plug;
  - (b) an air space within said shell capable of containing the apparatus and enough air to float the apparatus and said shell;
  - (c) a comb containing one or more teeth. The comb is of the same general design as those used in music boxes;
  - (d) a pendulum axle, having a first end and a second end, the first end being mounted in the interior wall at the right side of the fishing lure, and the second end of the pendulum axle being mounted in the interior wall at the left side of the fishing lure;
  - (e) a pendulum, rotatably mounted on said pendulum axle, thus allowing the pendulum to swing toward the front and rear of the fishing lure;
  - (f) a pendulum pivotal mounting sleeve which is attached to the mounting end of the pendulum, the peripheral surface of said pendulum pivotal mounting sleeve being used as a drum to mount the nib(s) (pick);
  - (g) a nib(s), (pick), which is attached to the peripheral surface of the pendulum pivotal mounting sleeve (the drum), in such a way as to allow the nib(s), once the pendulum is activated, to bend the tooth or teeth of the comb from their resting position to a loaded position and release them allowing them to freely rebound;
19. The apparatus of claim 18, wherein the diameter, length, weight and the distribution of the weight of the teeth of the comb is changed to allow the comb to vibrate at any hertz required by the manufacture;
20. The apparatus of claim 18, wherein the nib(s) can be mounted on any surface of the pendulum, and the position of the pendulum can be adjusted so that the nib(s) can activate the comb by bending the tooth or teeth from there resting position to a loaded position then release them;

21. The apparatus of claim 18, wherein the action of the pendulum swinging causes the fishing lure to oscillate in the water for a short time after external influence has ceased;
22. An apparatus capable of being placed in a large variety of fishing lures, the disclosed apparatus being capable of emitting a plurality of sounds to attract fish, the apparatus comprised of:
  - (a) a short bodied waterproof generic fish shaped shell referred to in the industry as a crankbait. Said shell being the type of fishing lure that oscillates from side-to-side while in use;
  - (b) a cavity within said shell capable of containing the disclosed apparatus;
  - (c) a comb containing one or more teeth, the comb is of the same general design as those used in music boxes;
  - (d) a pendulum axle, having a first end and a second end, and the first end being mounted in the interior wall at the top of the fishing lure, the second end of the pendulum axle being mounted in the interior wall at the bottom of the fishing lure;
  - (e) a pendulum, rotatably mounted on said pendulum axle, thus allowing the pendulum to swing from the right to the left side of the fishing lure;
  - (f) a pendulum pivotal mounting sleeve which is attached to the end of the stem of the pendulum. The peripheral surface of said pendulum pivotal mounting sleeve is used as a drum to mount the nib(s) (pick);
  - (g) a nib(s), (pick), which is attached to the peripheral surface of the pendulum pivotal mounting sleeve (the drum), in such a way as to allow the nub(s), while the pendulum is swinging from side-to-side, to come into contact with the tooth or teeth of the comb.
23. The apparatus of claim 22, wherein while the fishing lure is in use, the pendulum swings from side-to-side which in turn rotates the nib(s) mounted on the peripheral surface of the pendulum pivotal mounting sleeves, this action bends the teeth of the comb from their resting position to a loaded position and releases them allowing the teeth to freely rebound causing the teeth to vibrate.

24. The apparatus of claim 22, wherein while the fishing lure is in use, the pendulums weighted end swings from side-to-side striking the right and left interior walls of the fishing lure producing sound;
25. The apparatus of claim 22, wherein the shell is designed with through holes in it where the weighted end of the pendulum strikes the interior walls of the shell and disks of suitable size as well as made of a material that produces the most suitable sound to attract the targeted species of fish are mounted in the holes.
26. The apparatus of claim 25, wherein the disks through mounted in either side of the fishing lure have several corrugated rings around their circumference, in effect turning the disks into small mechanically actuated speakers.
27. The apparatus of claim 22, wherein the diameter, length, weight and the distribution of the weight of the teeth of the comb is changed to allow the comb to vibrate at any hertz required by the manufacture.
28. The apparatus of claim 6, wherein the diameter, length, weight and distribution of the weight of the tuning fork tines is adjusted to allow the tuning fork to produce any hertz required by the manufacture.
29. The apparatus of claim 11, wherein the diameter, length, weight and distribution of the weight of the tuning fork tines is adjusted to allow the tuning fork to produce any hertz required by the manufacture.
30. An apparatus capable of being placed in a large variety of fishing lures, the apparatus is capable of emitting a plurality of sounds to attract fish. The apparatus comprising:
  - (a) a watertight somewhat tubular shaped generic shell, referred to in the industry as a top water plug;
  - (b) an air space within said shell capable of containing the apparatus and enough air to float the apparatus and said shell;
  - (c) a tuning fork having a stem on the first end and tines on the second end. The first end being solidly mounted to the interior wall of the shell, and the tines hanging free in the air space;

- (d) a pendulum axle, having a first end and a second end. The first end being mounted in the interior wall at the right side of the fishing lure, and the second end of the pendulum axle being mounted in the interior wall at the left side of the fishing lure;
  - (e) a pendulum pivotal mounting sleeve which is attached to the mounting end of the pendulum, and is rotatably mounted on said pendulum axle thus allowing the pendulum to freely swing back and forth, or in a 360 degree circle;
  - (f) a striker mounted on the pendulum in such a manner as to allow the striker to contact the tuning fork at some point as the pendulum swings.
31. The apparatus of claim 30, wherein the striker is made of a material that will bend, allowing the striker to strike the tuning fork, causing it to vibrate while allowing the pendulum to continue rotating past the point of contact completing a circle.
32. The apparatus of claim 30, wherein the pendulums swing action causes the fishing lure to oscillate in the water adding movement to the sound emitted by the fishing lure.
33. The apparatus of claim 32, wherein the tuning fork is removed and the oscillation induced in the fishing lure by the pendulum is used to attract fish.
34. An apparatus capable of being placed in a large variety of fishing lures. The apparatus is capable of emitting a plurality of sounds to attract fish. The apparatus comprised of:
- (f) a watertight somewhat tubular shaped generic shell, referred to in the industry as a top water plug;
  - (g) a air space within said shell capable of containing the apparatus and enough air to float the apparatus and said shell;
  - (h) a tuning fork having a stem on the first end and tines on the second end. The first end being solidly mounted to the interior wall of the shell and the tines hanging free in the air space;



- (i) a striker guide having two ends; the first end of the striker guide is attached to the interior wall of the shell at the front end of the fishing lure, and the second end of the striker guide hinge free in the air space;
  - (j) a striker, in that the said striker is slide mounted on the striker guide, said striker being capable of sliding along the striker guide and striking the tuning fork at some point once the striker is activated by the fishing lure being jerked forward.
  - (k) a flat piece of spring steel, said spring steel is mounted on the interior wall of the shell in such a position as to allow the striker to contact and bend the spring steel from its resting position to a loaded position as the striker strikes the tuning fork. The spring then accelerates the striker in the opposite direction returning the striker to its starting position.
35. The apparatus of claim 34, wherein a coil spring is substituted for the piece of flat spring steel. One end of the coil spring being attached to the striker and the other end of the coil spring being attached to the interior wall of the shell.
36. The shells of all claims wherein the atmospheric pressure within the shells is significantly reduced. Reducing the atmospheric pressure within the shell can localize the points at which the sound is transmitted into the water to the contact points of the disclosed invention, and can extend the longevity of the sound or movement produced by the disclosed invention by decreasing the air resistance the disclosed invention must overcome.
37. The apparatuses of claims 18 and 22 wherein any type of hinge is be used to attach the pendulum to the interior wall of the shell.